

Appendix table 3-17

Full-time S&E workers who are foreign-born, by occupation and highest degree level: 2003 and 2008

(Percent)

Occupation	2003				2008			
	All levels	Bachelor's	Master's	Doctorate	All levels	Bachelor's	Master's	Doctorate
Science and engineering occupations	23	17	30	38	25	17	34	39
Computer and mathematical scientists	26	19	39	49	29	20	45	52
Computer and information scientists	26	19	41	54	29	20	47	57
Computer and information scientists, research	28	11	37	54	31	8	44	60
Computer support specialists	16	15	25	38	17	15	28	39
Computer system analysts	25	19	41	35	28	21	45	44
Database administrators	28	21	44	50	33	24	51	43
Network and computer systems administrators	18	15	25	56	21	17	32	40
Network systems and data communications analysts	22	17	37	34	26	18	47	70
Other computer and information science occupations	13	11	18	39	21	17	32	32
Computer engineers—software	38	27	53	62	38	25	56	64
Mathematical scientists	19	4	23	44	26	11	29	52
Mathematicians	26	S	S	39	29	S	S	41
Operations research analysts, including modeling	15	6	25	37	24	12	35	50
Statisticians	25	S	21	48	29	13	24	56
Other mathematical scientists	13	S	S	41	19	S	S	61
Postsecondary teachers—computer and math sciences	26	7	13	43	30	10	21	43
Postsecondary teachers—computer science	25	8	18	44	37	S	36	49
Postsecondary teachers—mathematics and statistics	26	S	11	42	27	S	17	39
Biological, agricultural, and other life scientists	24	11	18	42	26	14	25	39
Agricultural and food scientists	15	11	15	28	15	6	25	33
Biological and medical scientists	29	12	23	50	31	17	30	45
Biochemists and biophysicists	37	13	25	57	38	11	40	56
Biological scientists (e.g., botanists, ecologists, zoologists)	22	12	19	40	19	11	21	33
Medical scientists (excluding practitioners)	34	12	28	52	41	31	35	46
Other biological, agricultural or life scientists	25	12	21	53	29	17	38	45
Forestry and conservation scientists	7	S	S	20	7	S	S	24
Postsecondary teachers—life and related sciences	18	S	6	21	23	S	7	23
Postsecondary teachers—agriculture	12	S	S	16	21	S	S	28
Postsecondary teachers—biological sciences	20	S	S	22	24	S	S	23
Postsecondary teachers—other natural sciences	12	S	S	18	5	S	S	S
Physical and related scientists	22	13	20	37	23	13	24	36
Chemists, except biochemists	28	17	37	44	30	19	48	45
Earth scientists, geologists, and oceanographers	10	6	6	32	11	7	10	29
Atmospheric and space scientists	15	S	S	37	13	S	11	31
Geologists, including earth scientists	8	7	5	30	10	8	8	27
Oceanographers	15	S	S	26	24	S	S	35
Physicists and astronomers	32	S	24	41	36	22	41	38
Astronomers	32	S	S	36	30	S	S	30
Physicists	32	S	24	41	36	23	41	39
Other physical scientists	13	7	11	53	S	2	7	38

Appendix table 3-17

Full-time S&E workers who are foreign-born, by occupation and highest degree level: 2003 and 2008

(Percent)

Occupation	2003				2008			
	All levels	Bachelor's	Master's	Doctorate	All levels	Bachelor's	Master's	Doctorate
Postsecondary teachers—physical and related sciences	24	17	14	27	24	9	11	30
Postsecondary teachers—chemistry	24	S	30	25	21	11	S	26
Postsecondary teachers—earth, environmental, and marine sciences	16	S	S	22	20	S	S	28
Postsecondary teachers—physics	31	S	15	35	34	S	22	38
Social and related scientists	13	10	11	16	14	10	12	19
Economists	20	9	19	33	20	S	16	40
Political scientists	9	S	S	20	19	S	17	24
Psychologists, including clinical	9	25	5	10	12	21	9	13
Sociologists and anthropologists	4	S	S	6	14	S	9	27
Anthropologists	3	S	S	5	10	S	S	33
Sociologists	4	S	S	7	18	S	22	20
Other social scientists	14	10	20	23	12	8	15	27
Postsecondary teachers—social and related sciences	16	S	9	18	17	S	8	19
Postsecondary teachers—economics	28	S	16	33	34	S	21	37
Postsecondary teachers—political science	18	S	S	20	15	S	S	16
Postsecondary teachers—psychology	12	S	27	10	12	S	S	12
Postsecondary teachers—sociology	10	S	S	13	12	S	S	13
Postsecondary teachers—other social sciences	14	S	S	20	15	S	S	23
Engineers	22	16	30	51	24	16	33	56
Aerospace, aeronautical, or astronautical engineers	16	13	19	37	18	14	20	41
Agricultural engineers	24	15	32	53	24	15	32	52
Bioengineering and biomedical engineers	20	15	32	60	21	15	33	62
Chemical engineers	32	26	41	61	34	24	48	63
Civil, architectural, or sanitary engineers	46	39	54	70	47	41	52	62
Electrical or computer hardware engineers	30	23	38	60	32	22	47	63
Computer engineers—hardware	17	13	26	33	24	23	24	55
Electrical and electronics engineers	19	13	29	59	19	12	29	64
Environmental engineers	5	S	S	45	39	S	S	53
Industrial engineers	36	17	53	44	34	22	38	54
Marine engineers and naval architects	12	10	14	33	14	12	15	40
Materials and metallurgical engineers	23	22	22	42	11	S	27	S
Mechanical engineers	22	15	22	45	26	11	33	53
Mining and geological engineers	6	S	S	84	16	S	S	60
Nuclear engineers	11	9	7	38	14	7	17	46
Petroleum engineers	13	7	28	62	12	5	29	47

Appendix table 3-17

Full-time S&E workers who are foreign-born, by occupation and highest degree level: 2003 and 2008

(Percent)

Occupation	2003				2008			
	All levels	Bachelor's	Master's	Doctorate	All levels	Bachelor's	Master's	Doctorate
Sales engineers	11	7	23	S	10	6	33	43
Other engineers	17	10	31	61	17	9	21	48
Postsecondary teachers—engineering	37	S	22	44	44	S	15	54

S = suppressed for reasons of confidentiality and/or reliability

NOTES: 2003 and 2008 data do not capture immigrants with foreign degrees who entered the United States after April 2000. The relative size of this undercount is larger in 2008 than in 2003. Full-time includes those who typically work 35 or more hours weekly in their principal jobs.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Scientists and Engineers Statistical Data System (SESTAT) (2003 and 2008), <http://sestat.nsf.gov>.

Science and Engineering Indicators 2012